

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A valuation system for determining the monetary value of coins included in a plurality of stacks of coins arranged for dispensing from an automatic coin dispensing machine, the valuation system comprising:

a single stationary sensor arranged to determine the height of the stack of coins in each of the plurality of stacks of coins as the plurality of stacks of coins rotate past the single sensor;

a microprocessor in communication with the sensor, the microprocessor adapted to determine the monetary value of coins in each of the plurality of stacks of coins by

- (A) determining the type of coin in each of the plurality of stacks of coins;
- (B) determining the number of coins in each of the plurality of stacks of coins by dividing the determined height by a known coin height for the determined type of coin in each of the stacks of coins;
- (C) determining a monetary value of the coins in each of the plurality of stacks of coins by multiplying the determined number of coins by a known coin value for the determined type of coin in each of the plurality of stacks of coins; and
- (D) determining an overall monetary value for the coins in the plurality of stacks of coins by summing the determined monetary value for each of the plurality of stacks of coins; and

a display in communication with the microprocessor for visually displaying the overall monetary value of the plurality of stacks of coin.

2. (Original) The valuation system of claim 1, wherein the display is attached to the automatic coin dispensing machine.

3. (Cancelled)

4. (Original) The valuation system of claim 1, further comprising an activation button disposed on the automatic coin dispensing machine for manually activating the sensor and the microprocessor to determine the overall monetary value of the plurality of stacks of coins.

5. (Original) The valuation system of claim 1 wherein the sensor is an ultrasonic sensor.

6. (Original) The valuation system of claim 5 wherein the display visually displays the determined monetary value of the stack of coins only after manual activation of the activation button.

7. (Currently Amended) A method of determining the monetary value of coins in a plurality of stacks of coins arranged for dispensing from an automatic coin dispensing machine, the method comprising the steps of:

- 5 positioning ~~at least one a single, stationary~~ sensor to determine the height of
the stack of coins in each of the plurality of stacks of coins;
 moving the plurality of stacks of coins past the single, stationary sensor;
 determining the height of the stacks of coins in each of the plurality of
 stacks of coins;
10 determining the type of coins in each of the plurality of stacks of coins;
 determining the number of coins in each of the plurality of stacks of coins
by dividing the determined height for each of the stacks of coins by a known coin height
for the determined type of coin in each of the plurality of stacks;

determining the monetary value of the coins in each of the plurality of stacks of coins by multiplying the determined number of coins by a known coin value for
15 the determined type of coin in each of the plurality of stacks of coins;

determining an overall monetary value for the coins in the plurality of stacks of coins by summing the determined monetary value of the coins in each of the plurality of stacks of coins; and

20 displaying the overall monetary value for the coins in the plurality of stacks of coins.

8. (Cancelled)

9. (Currently Amended) The method of claim 8 7 wherein the sensor determines the height of the stack of coins in each of the plurality of stacks of coins upon manual depression of an activation button.

10. (Currently Amended) A valuation system for determining the number and monetary value of a stack of coins arranged for dispensing from an automatic coin dispensing machine having a revolving carousel for holding a plurality of stacks of coins, the valuation system comprising:

5 an ultrasonic sensor arranged to emit an ultrasonic pulse onto a top coin in the stack of coins as the revolving carousel rotates each of the plurality of stacks of coins beneath the sensor and to receive the pulse after it reflects from the top coin;

a microprocessor in communication with the ultrasonic sensor, the microprocessor adapted to determine the number and value of coins in the stack of coins
10 by

- (A) determining the height of the stack of coins;
- (B) determining the type of coin in the stack of coins;
- (C) determining the number of coins in the stack of coins by dividing the determined height of the stack of coins by a known

- 15 coin height; and
- (D) determining the value of the stack of coins by multiplying the
 number of coins in the stack of coins by a known coin value.

11. (Original) The valuation system of claim 10, further comprising:
a display in communication with the microprocessor, the display for
displaying the determined value for the stack of coins.

12. (Original) The valuation system of claim 11, wherein the display is
attached to the automatic coin dispensing machine.

13. (Original) The value system of claim 10, further comprising:
a printing device in communication with the microprocessor, the printing
device for printing the value of the stack of coins.

14. (Original) The valuation system of claim 10, wherein the ultrasonic
sensor is mounted to an interior portion of a cover on the automatic coin dispensing
machine.

15. (Original) The valuation system of claim 10, further comprising a button
disposed on the automatic coin dispensing machine for manually-activating the ultrasonic
sensor and microprocessor.

16. (Original) The valuation system of claim 10, wherein the microprocessor
determines the number and value of coins in the stack of coins upon initiation by a user.

17. (Cancelled)

18. (Currently Amended) The valuation system of claim ~~17~~ 10, wherein the microprocessor is adapted to determine the total value of coins in the plurality of stacks of coins in the revolving carousel by determining values for each of the plurality of stacks of coins and summing the determined values for each of the plurality of stacks of coins.

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) The valuation system of claim ~~17~~ 10, wherein the microprocessor receives logic provided from automatic coin dispensing machine, wherein the logic is the known coin value of each stack of coins in the plurality of stacks of coins.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)